

Message Text

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PAGE 01 STATE 093443
ORIGIN NRC-07

INFO OCT-01 EUR-12 ISO-00 OES-06 ACDA-10 PM-04 /040 R

DRAFTED BY USNRC:JOSEPH D. LAFLEUR, JR.

APPROVED BY OES/NET/IM: D B HOYLE

ACDA: D OYSTER

PM/NPP: J MCGUINNESS

EUR/WE: E J BEIGEL

EUR/CE: R CASAGRANDE

-----261822Z 125881 /41

P 261527Z APR 77

FM SECSTATE WASHDC

TO AMEMBASSY BONN PRIORITY

AMEMBASSY PARIS PRIORITY

AMEMBASSY ROME PRIORITY

UNCLAS STATE 093443

EMBASSY PLEASE PASS TO SCICON

E.O. 11652: N/A

TAGS: TECH, GW, FR, IT

SUBJECT: VISIT OF ANDREW R. MARCHESE ON MOLTEN CORE
TECHNOLOGY - APRIL 29 TO MAY 13, 1977

1. SUMMARY: ANDREW R. MARCHESE, NUCLEAR ENGINEER, LMFBR
BRANCH, OFFICE OF NUCLEAR REACTOR REGULATION, U.S. NUCLEAR
REGULATORY COMMISSION, WILL PRESENT CO-AUTHORED PAPER,
"LMFBR ACCIDENT ANALYSIS AND LICENSING" AT SALZBURG, MAY 2-
13. REQUEST ADDRESSEE ASSISTANCE IN ARRANGING MEETINGS AS
OUTLINED BELOW, WITH HOTEL RESERVATIONS (MODERATE - SINGLE
WITH BATH) AND SUGGESTED APPROPRIATE GROUND TRANSPORTATION.
TRAVELING WITH MR. MARCHESE TO ATTEND MEETINGS WILL BE
DR. ROBERT BARI, BROOKHAVEN NATIONAL LABORATORY, CONSULTANT
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FOR NRC. DR. BARI WILL PROVIDE HIS OWN HOTEL ACCOMODATIONS.
END SUMMARY.

2. FOR BONN: AR STUTTGART 20:30, MAY 8 VIA MUNICH FLIGHT
LH 819. WILL NEED HOTEL NIGHTS OF MAY 8 AND 9 IN KARLS-
RUHE. SUGGEST PARK HOTEL, TEL:0721/60461. MAY 9 AND 10
KARLSRUHE, WOULD LIKE TO MEET WITH DR. M. FISHER, E.

BOJARSKY, OR H. REISER, AND OTHER APPROPRIATE STAFF TO
DISCUSS FOR LWR AND LMFBR'S:

- A. CORE MELTDOWN AND PAHR STUDIES
- B. MOLTEN FUEL TECHNOLOGY WORK

- C. MOLTEN CORE DEBRIS MATERIAL INTERACTIONS WITH REACTOR
VESSEL, CONCRETE AND OTHER HIGH-TEMPERATURE MATERIALS.
- D. MOLTEN FUEL FRAGMENTATION STUDIES IN WATER AND SODIUM,
INCLUDING FCI, LEVELING, AND PENETRATION PHENOMENA.
- E. CORE RETENTION SYSTEM STUDIES, INCLUDING COOLING OF
CORE DEBRIS.

LV STUTTGART 18:15 MAY 10 VIA LH 138 FOR PARIS.

3. FOR PARIS: AR PARIS, ORLY 20:25 MAY 10 VIA LH 138
FROM STUTTGART. EMBASSY ASSISTANCE REQUESTED IN MAKING
HOTEL RESERVATION FOR MR. MARCHESE NIGHT OF MAY 10 IN
PARIS. SUGGEST HOTEL ROYAL SAINT-HONORE, TEL:260-32-79.
MAY 11 TRAVEL TO GRENOBLE, WILL NEED HOTEL FOR NIGHT OF
MAY 11 IN GRENOBLE. SUGGEST HOTEL D'ANGLETERRE, TEL:
44-07-42. MAY 12, CENTER FOR NUCLEAR STUDIES, GRENOBLE,
WOULD LIKE TO MEET WITH J. BOURE, J. DELHAYE, OR P.VERNIER
AND OTHER APPROPRIATE STAFF TO DISCUSS FOR LWR AND LMFBR'S:
A. MOLTEN FUEL FRAGMENTATION STUDIES, INCLUDING FUEL-
COOLANT INTERACTIONS AND NATURAL CIRCULATION
B. STEAM AND VAPOR EXPLOSION STUDIES
C. TWO-PHASE FLOW STUDIES, INCLUDING MATHEMATICAL FORMU-
LATION AND COMPUTER CODES
D. LARGE-SCALE BLOWDOWN EXPERIMENTS, INCLUDING REFLOOD AND
DNB WORK.

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MAY 12 LV GRENOBLE 18:00 VIA IT 7406 FOR PARIS TO FLY ON
TO MILAN VIA AZ 337.

4. FOR ROME: AR MILAN 21:20 MAY 12 VIA AZ 337 FROM PARIS.
EMBASSY ASSISTANCE REQUESTED IN RESERVING HOTEL FOR NIGHTS
OF MAY 12 AND 13. SUGGEST CAVOUR HOTEL, TEL: 02/650-983.
MAY 13, ISPRA RESEARCH CENTER, WOULD LIKE TO MEET WITH
H. HOLTBECKER, H. KOTTOWSKI AND OTHER APPROPRIATE STAFF
TO DISCUSS FOR BOTH LWR'S AND LMFBR'S:
A. MOLTEN CORE DEBRIS MATERIAL INTERACTIONS, INCLUDING
ASSOCIATED FCI, GAS GENERATION AND FRAGMENTATION EFFECTS
B. STEAM EXPLOSION MECHANISMS
C. BOILING HEAT TRANSFER AND TWO-PHASE FLOW STUDIES
RELATED TO A AND B ABOVE
D. MOLTEN CORE TECHNOLOGY AND PAHR STUDIES
MAY 13 FOLLOWING DISCUSSIONS IN ISPRA, MARCHESE WILL BE
ON LEAVE STATUS BEFORE RETURNING TO U. S.
VANCE

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: ITINERARY, SCIENTIFIC VISITS, NUCLEAR REACTORS, NUCLEAR RESEARCH
Control Number: n/a
Copy: SINGLE
Sent Date: 26-Apr-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977STATE093443
Document Source: CORE
Document Unique ID: 00
Drafter: JOSEPH D. LAFLEUR, JR.
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770145-0484
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770418/aaaaaoxu.tel
Line Count: 115
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 6f841c9f-c288-dd11-92da-001cc4696bcc
Office: ORIGIN NRC
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 07-Dec-2004 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2689804
Secure: OPEN
Status: NATIVE
Subject: VISIT OF ANDREW R. MARCHESE ON MOLTEN CORE TECHNOLOGY - APRIL 29 TO MAY 13, 1977
TAGS: TECH, GE, FR, IT, (MARCHESE, ANDREW R), (BARI, ROBERT)
To: BONN PARIS MULTIPLE
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/6f841c9f-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009